

REMARKS

This Amendment is in response to the Office Action of September 19, 2008. In the Office Action, Claims 1, 2, 4, 7-11, 13, 16-19, 21 and 23-25 were rejected, and Claims 3, 5, 6, 12, 14, 15, 20 and 22 were indicated as allowable, but objected to as not being in independent form. With this Amendment, Claims 1-4, 7-13, 16-20, 23-25 are amended, and Claims 5, 6, 14, 15, 21 and 22 are cancelled. Claims 1-4, 7-13, 16-20, 23-25 are presented for reconsideration and allowance.

Claim Rejections 35 USC 112

Claim 7 was rejected as reciting a limitation "disc drive" with insufficient antecedent basis. With this Amendment, Claim 7 is amended to remove the limitation "disc drive". Withdrawal of the rejection under 35 USC 112 is requested.

Claim Rejections - 35 USC 103

Claims 1, 2, 4, 7-11, 13, 16-19, 21, 23-25 were rejected under 35 USC 103(a) over Ghaffari et al. U.S. Patent 6,829,663 in view of Lo et al. U.S. Patent Publication 2004/0010625.

With this Amendment, independent Claims 1, 10 and 19 are amended. Amended Claim 1 includes a limitation to a first line driver coupled to transmit control primitive data that includes an adjustable pre-emphasis and that has a response to first physical layer quality data. Amended Claim 10 includes a limitation to a line driver coupled to transmit control primitive data that includes an indication of frequency rolloff and that is responsive to physical layer quality data. Claim 19 is amended to include a limitation to a quality sensing circuit that makes a comparison of a quality standard to a physical layer quality that includes an amplitude and a frequency rolloff, and that generates control primitives representative of the comparison.

Neither Ghaffari et al. nor Lo et al., taken singly or in combination, teach or suggest a first line driver coupled to transmit control primitive data that includes an adjustable pre-emphasis and that has a response to first physical layer quality data as presently claimed in amended Claim 1. Neither Ghaffari et al. nor Lo et al., taken singly or in combination, teach or

suggest a line driver coupled to transmit control primitive data that includes an indication of frequency rolloff and that is responsive to physical layer quality data as presently claimed in amended Claim 10. Neither Ghaffari et al. nor Lo et al., taken singly or in combination, teach or suggest a quality sensing circuit that makes a comparison of a quality standard to a physical layer quality that includes an amplitude and a frequency rolloff, and that generates control primitives representative of the comparison as presently claimed in amended Claim 19.

The limitation of allowable Claim 6 to "adjustable pre-emphasis" is now included as a limitation in amended independent Claim 1; and Claims 5 and 6 are cancelled. The limitation of allowable Claim 15 to "frequency rolloff" is now included as a limitation in amended independent Claim 10; and Claims 14 and 15 are cancelled. The limitations of allowable Claim 22 and intervening claim 21 to "amplitude" and "frequency rolloff" are now included in amended independent Claim 19; and Claims 21 and 22 are cancelled. Amended independent Claims 1, 10 and 19 are therefore believed to be patentable. Withdrawal of the rejections of Claims 1, 10 and 19, and reconsideration and allowance of Claims 1, 10 and 19 are therefore requested.

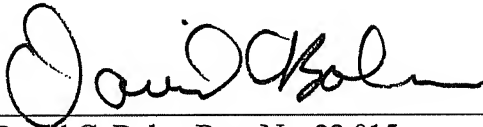
Amended dependent Claims 2-4, 7-9, 11-13, 16-18, 20 and 23-25 include limitations that, when taken in combination with the limitations of their respective base claims are also believed to be patentable. Withdrawal of the rejections of Claims 2-4, 7-9, 11-13, 16-18, 20 and 23-25, and reconsideration and allowance of Claims 2-4, 7-9, 11-13, 16-18, 20 and 23-25 are therefore requested.

CONCLUSION

The Application appears to be in condition for allowance of Claims 1-4, 7-13, 16-20, 23-25. The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

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